

ThinkSystem SD535 V3 Sets World Record with New SPECpower2008 on Linux Benchmark Result Performance Benchmark Result

Lenovo has published a new SPECpower_ssj 2008 benchmark result that has set a new world record. The result has been achieved on the powerful Lenovo ThinkSystem SD535 V3 server using the new AMD EPYC 9845 processor.

The world-record benchmark result is:

- Best score on a 1-processor, 4 node, 2U rack system running Linux

The SPECpower_ssj 2008 benchmark is an industry-standard benchmark that evaluates the power and performance characteristics of single servers and multi-node servers.



The ThinkSystem SD535 V3 server achieved the following score :

- **SPECpower_ssj2008 = 38,805 overall ssj_ops/watt**

The SD535 V3 was configured as follows:

- 1x AMD EPYC 9845 ("Turin") processor (160 cores, 2.10 GHz, 320 MB L3 cache)
- 384 GB of DDR5 memory
- 1x 960GB M.2 SSD
- SUSE Linux Enterprise Server 15 SP6
- Oracle Java HotSpot(TM) 64-Bit Server VM (build 17.0.10+11-LTS-240, mixed mode, sharing), version 17.0.10

Results referenced are current as of March 11, 2025.

This benchmark result can be found at the following web page:

https://www.spec.org/power_ssj2008/results/res2025q1/power_ssj2008-20250311-01506.html

To view all SPECpower_ssj 2008 results, see the following page:

https://www.spec.org/power_ssj2008/results/

About the ThinkSystem SD535 V3

The 1U half-width ThinkSystem SD535 V3 multi-node server, powered by AMD, provides flexible high-density compute with increased storage over other multi-node servers. With double the CPU density of a standard 1U server, it is ideal for large enterprises who need to process large amounts of data quickly. The ThinkSystem SD535 V3 is also thermally designed for efficiency with 1U optimized thermals, up to 4 nodes sharing only 2 or 3 power supplies. It provides efficient, dense, processing while minimizing OPEX.

About SPECpower

The SPEC Power benchmark suite measures the power and performance characteristics of server-class computer equipment. It is used to compare power and performance among different servers and serves as a toolset for use in improving server efficiency. This benchmark is targeted for use by hardware vendors, IT industry, computer manufacturers, and governments.

Learn more

To learn more about power-efficient solutions for compute-intensive applications, please contact your Lenovo Sales Representative.

To find out more about SPEC, visit <https://www.spec.org>

To learn more about the Lenovo ThinkSystem SD535 V3 server, visit the SD535 V3 product web page: <https://www.lenovo.com/us/en/p/servers-storage/servers/multi-node/lenovo-thinksystem-sd535-v3/len21ts0033>

Related product families

Product families related to this document are the following:

- [Multi-Node Servers](#)
- [SPECpower Benchmark Results](#)
- [ThinkSystem SD535 V3 Server](#)

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This document, LP2206, was created or updated on April 22, 2025.

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